

USPCIA Subsidiary of
Union Pacific Corporation

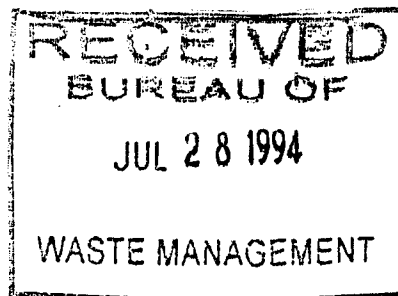
Treatment & Recovery Services

July 27, 1994

To: Mr. Steve Broslavick
Hazardous Waste Section
Kansas Department of Health and Environment
Forbes Field, Building 740
Topeka, Kansas 66620-0002

From: Ron Robertson

Re: **Hydrocarbon Recyclers, Inc. of Wichita EPA ID Number KSD007246846**
Part B Permit Application
Corrections to Building I Containment



Enclosed you will find the revised text and drawings for the Building I revisions to the Part B Permit Application. In Section D, the following pages were revised: pp. 5, 8, 13, 34, 35, 36. Please note that although pages 34, 35, and 36 have been changed, pages 34A and 35A have not been changed.

- The only page changed in Section J is the second page of Appendix J-1 (page 66 in the text).
- Drawings numbers 50-17-10-001, 50-01-10-002, 50-30-3-001, and the "I-Building Safety" drawing have been changed, and will need to be replaced in Section Y, Referenced Drawings. Reduced copies of these drawings are also included for insertion into the text.
- The reorganization of container management units (CMUs) in Building I from four units to three units has necessitated the recalculation of the containment volumes, although it has not changed the total waste storage volume for the building. The new calculations for CMUs I100, I200, and I300 are provided for insertion into Appendix D-B, Attachment 6.

Please call me if you have any further questions.

Sincerely,


Ronald K. Robertson
Facility Compliance Officer

cc: S. Keiter
L. Hetherington-Ward
D. Hensch



R00012322
RCRA Records Center

RECEIVED**AUG 4 1994****PRMT SECTION**

Hydrocarbon Recyclers, Inc. of Wichita
2549 North New York
Wichita, Kansas 67219

316/268-7500
Fax 316/268-7555

Our Mission:

Provide the highest quality waste and by-product management services that consistently meet or exceed customer needs and regulatory requirements at competitive cost while enhancing shareholder value.

Hydrocarbon Recyclers, Inc. of Wichita d/b/a USPCI
 RCRA Permit Application
 Section D
 Use and Management of Containers

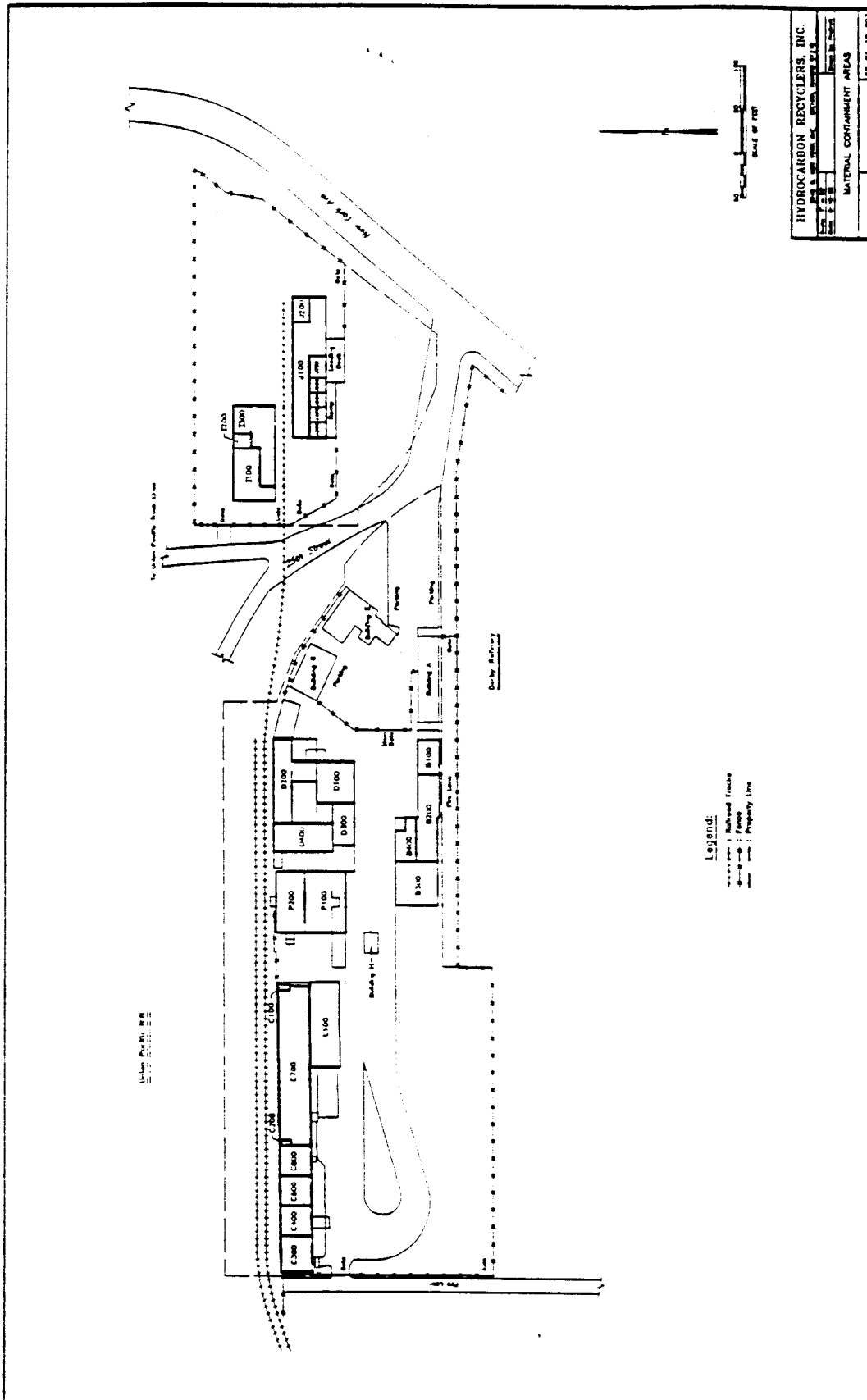


Figure D.2. Material Containment Areas

Hydrocarbon Recyclers, Inc. of Wichita d/b/a USPCI
 RCRA Permit Application
 Section D
 Use and Management of Containers

Table D.2

CMU Containment Summary

Container Management Unit (CMU)	Maximum Number of Drums Stored (55 gallon drum equivalents)		Gallons - Containment Capacity Required for Containers (10 % Container Capacity)	Gallons - Containment Provided
	Drums	Gallons		
D100/D200	784	43,120	4,312	13,480
D300	64	3,520	352	3,606
P100/P200	180	9,900	990	32,583
C100	16	880	88	244
C200	16	880	88	192
C300	240	13,200	1,320	3,842
C400	184	10,120	1,012	3,195
C500	192	10,560	1,056	3,233
C600	192	10,560	1,056	3,233
C700	962	52,910	5,291	16,690
L100	272	14,960	1,496	1,835
B100	120	6,600	660	2,262
B200	384	21,120	2,112	5,592
B300	360	19,800	1,980	5,630
B400	136	7,480	748	2,582
I100	416	22,880	2,288	4,503
I200	64	3,520	352	635
I300	440	24,200	2,420	6,088

Hydrocarbon Recyclers, Inc. of Wichita d/b/a USPCI
RCRA Permit Application
Section D
Use and Management of Containers

treated in containers. Rooms and diking in this building will provide containment for three (3) separate CMUs.

D-1g Building J:

Building J is designated for container storage, treatment, and management. Waste managed in this area may be processed or treated in containers. Rooms and diking in this building will provide containment for seven (7) separate CMUs.

**Hydrocarbon Recyclers, Inc. of Wichita d/b/a USPCI
RCRA Permit Application
Section D
Use and Management of Containers**

D-2h Building I:

Referenced Drawings

Drawing 50-17-10-001 Building I

Building I is an existing Interim Status waste management area that has undergone renovation. This section has been written to recognize the configuration and usage of Building I as it will be operated now that the renovations are completed.

Building I has been designed to manage containerized wastes in three (3) contained areas (CMUs). Containerized wastes managed in this building include ignitable, non-ignitable, reactive, non-reactive and other hazardous and non-hazardous wastes. These materials are destined primarily for off-site management, but may also be destined for on-site management, recycling as waste fuel, waste water management, or solvent recovery. Processing of containerized wastes in Building I may involve treatment in containers, repackaging or management in any of the several on-site processing units.

Hydrocarbon Recyclers, Inc. of Wichita d/b/a USPCI
RCRA Permit Application
Section D
Use and Management of Containers

D-2h(1) Secondary Containment:

Building I is designed with three (3) CMUs (I100 through I300) which are diked or walled to provide secondary containment. The layout of Building I is shown on Figure D.8 (Drawing 50-17-10-001), presented in Appendix D-A. The CMUs are designed to meet the storage requirements for RCRA regulated wastes, to promote sound container management practices, and to minimize the potential for a release of hazardous waste into the environment. The CMUs are constructed of concrete floors and diking, and concrete block walls. Seams in the floor are sealed using water stops.

40 CFR 264.175(b)(3) requires that the secondary containment system contain the volume of the largest container, or ten (10)

Hydrocarbon Recyclers, Inc. of Wichita d/b/a USPCI
RCRA Permit Application
Section D
Use and Management of Containers

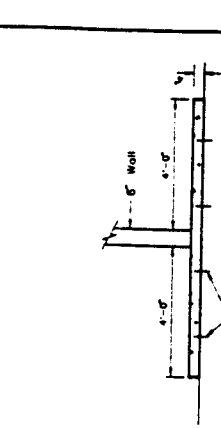
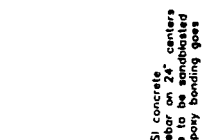
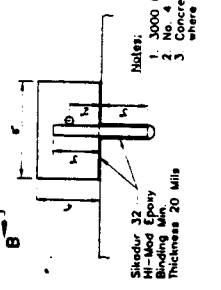
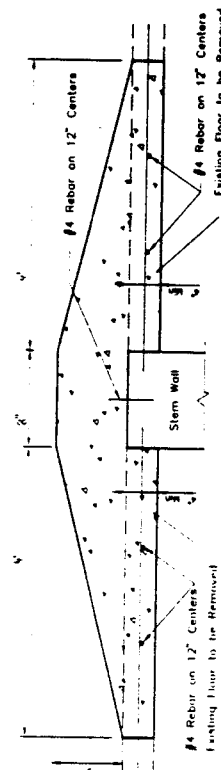
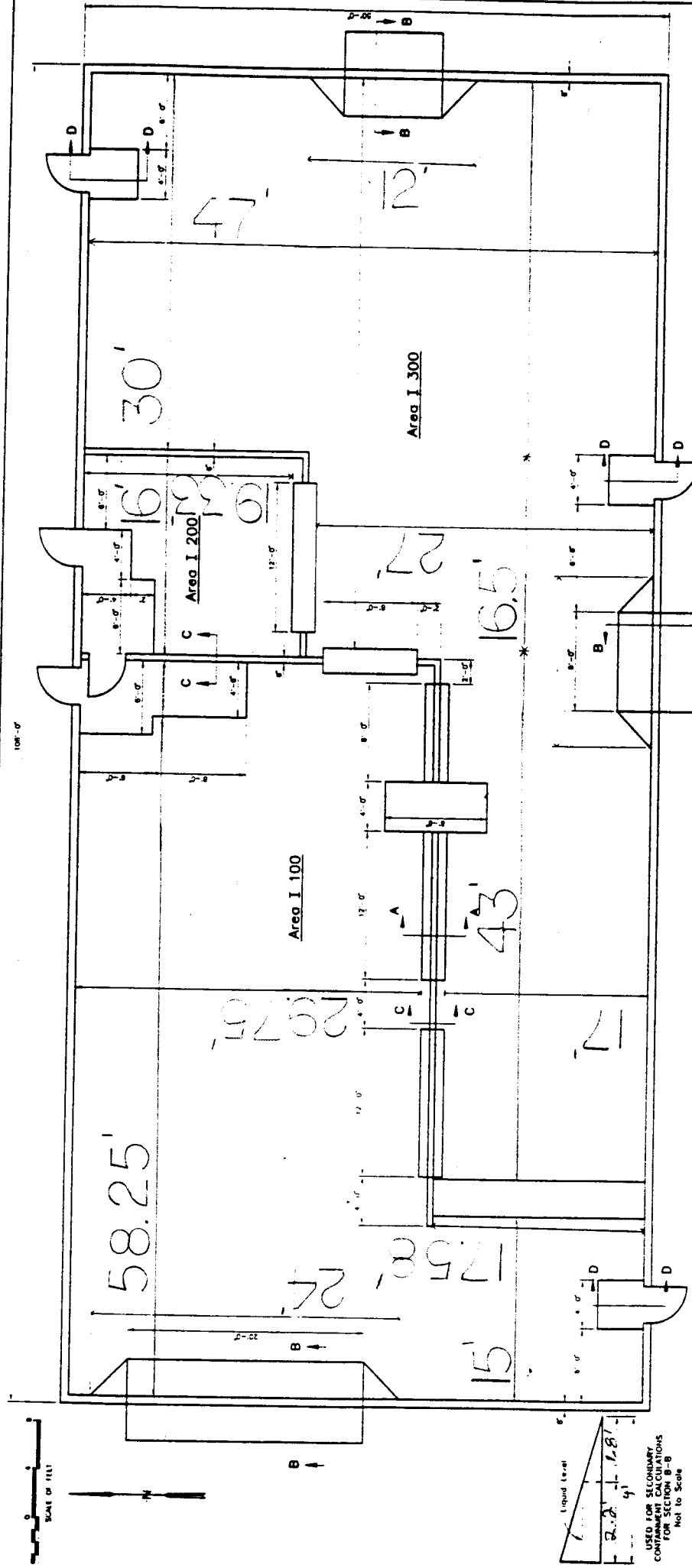
D-2h(2) Building Design:

Building I has been subdivided into three (3) CMUs. The building has an overall size of approximately one-hundred-six (106) feet long by forty-eight (48) feet wide. Waste containers managed in Building I are palletized or equipped with skids during storage, or are otherwise managed to protect the outside walls of the containers from contact with accumulated liquids. Some management of containers may occur directly on the concrete floor (e.g., during processing). Concrete curbs or walls around the unit or portable containment units provide secondary containment. Adequate secondary containment volume is provided for this building, as described in D-2h(1).

Hydrocarbon Recyclers, Inc. of Wichita
RCRA Permit Application
Section J
Closure Plan
Appendix J-A - Tables

<u>HWMU</u>	<u>UNIT</u>	<u>WASTES STORED/FUNCTION</u>
C	CMU B400	Hazardous waste - Container Management
C	CMU D100	Hazardous waste - Container Management
C	CMU D200	Hazardous waste - Container Management
C	CMU D300	Hazardous waste - Container Management
C	CMU I100	Hazardous waste - Container Management
C	CMU I200	Hazardous waste - Container Management
C	CMU I300	Hazardous waste - Container Management
C	CMU J100	Hazardous waste - Container Management
C	CMU J200	Hazardous waste - Container Management
C	CMU J300	Hazardous waste - Container Management
C	CMU J400	Hazardous waste - Container Management
C	CMU J500	Hazardous waste - Container Management
C	CMU J600	Hazardous waste - Container Management
C	CMU J700	Hazardous waste - Container Management
C	CMU L100	Hazardous waste - Container Management
C	CMU P100	Hazardous waste - Container Management
C	CMU P200	Hazardous waste - Container Management
T	V-1	Hazardous Waste Liquid
T	V-2	Hazardous Waste Liquid
T	V-3	Hazardous Waste Liquid
T	V-4	Hazardous Waste Liquid

July 21, 1994
Revision No. 7

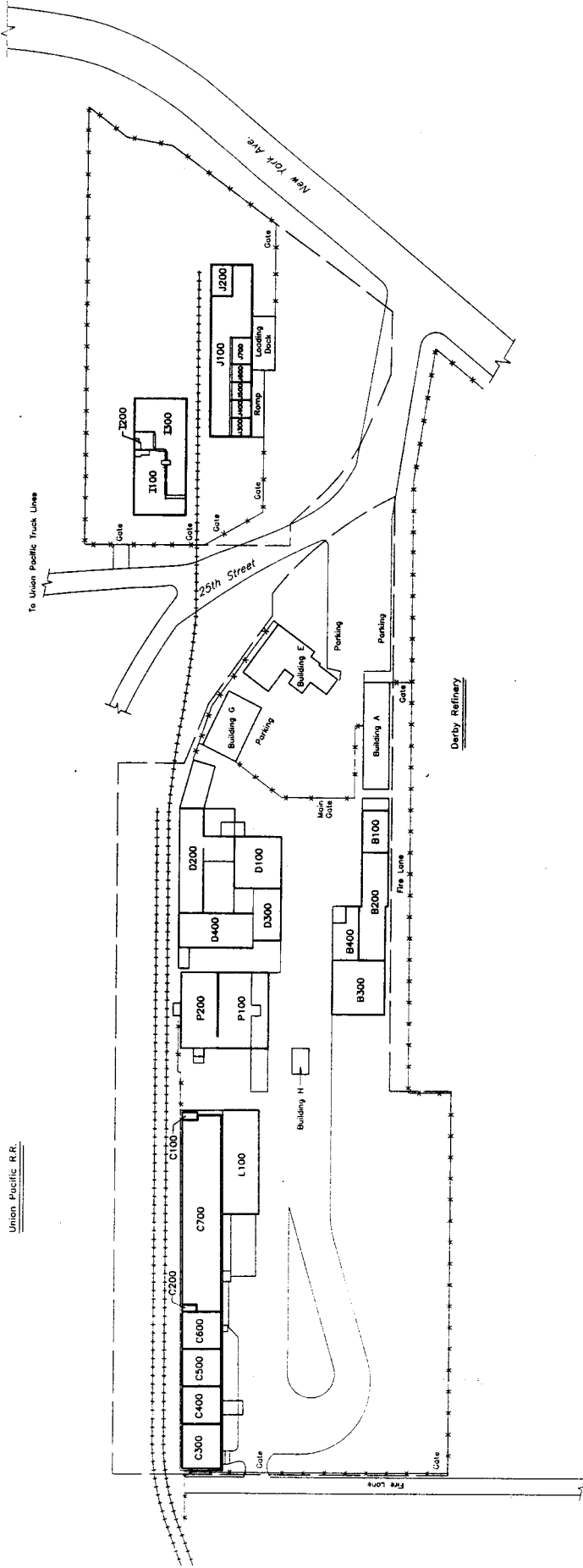


Notes:
1. 3000 PSI Concrete
2. No. 4 rebar 24" centers
3. Concrete to be sandblasted where epoxy bonding goes

USED FOR SECONDARY
CONTAMINANT CALCULATIONS
FOR SECTION B-B
Not to Scale

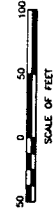
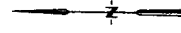
Union Pacific R.R.

To Union Pacific Truck Lines



Legend:

- +++++ : Railroad Tracks
- *-*- : Fence
- : Property Line



HYDROCARBON RECYCLERS, INC.

2848 N. NEW YORK AVE. WICHITA, KANSAS 67218

Scale: 1" = 50'

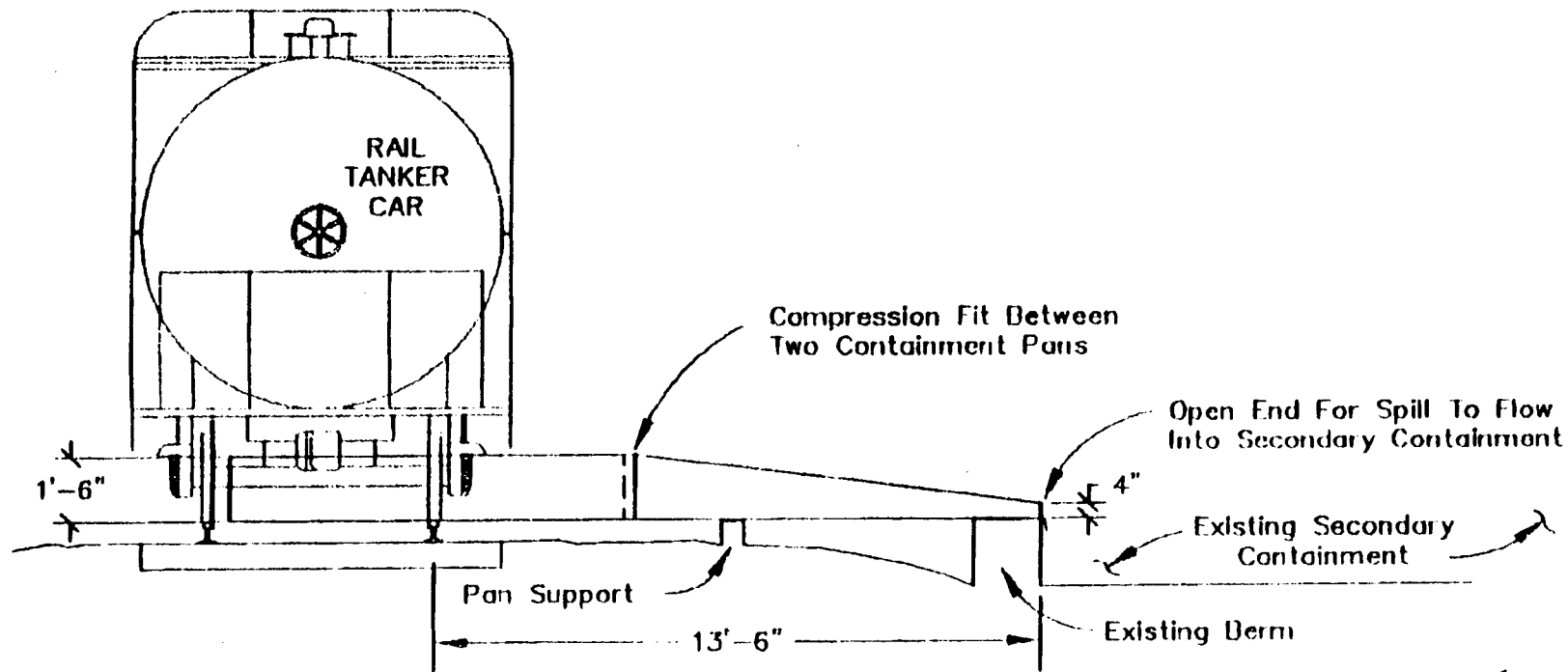
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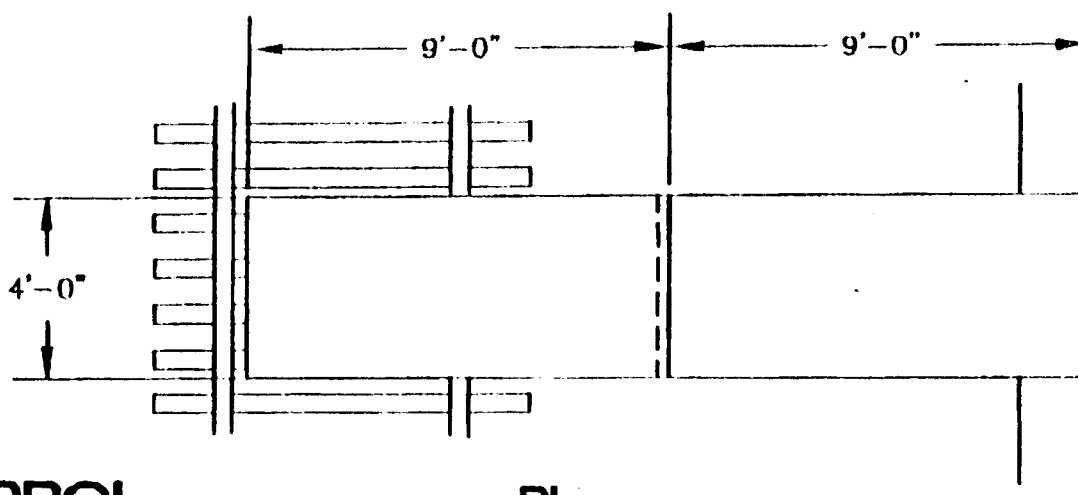
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Project No.: 50-01-10-002

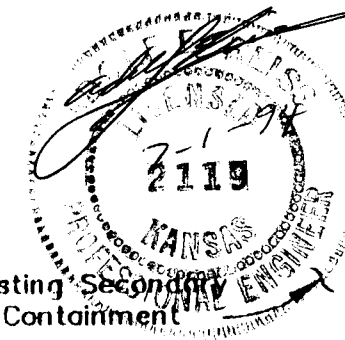
MATERIAL CONTAINMENT AREAS



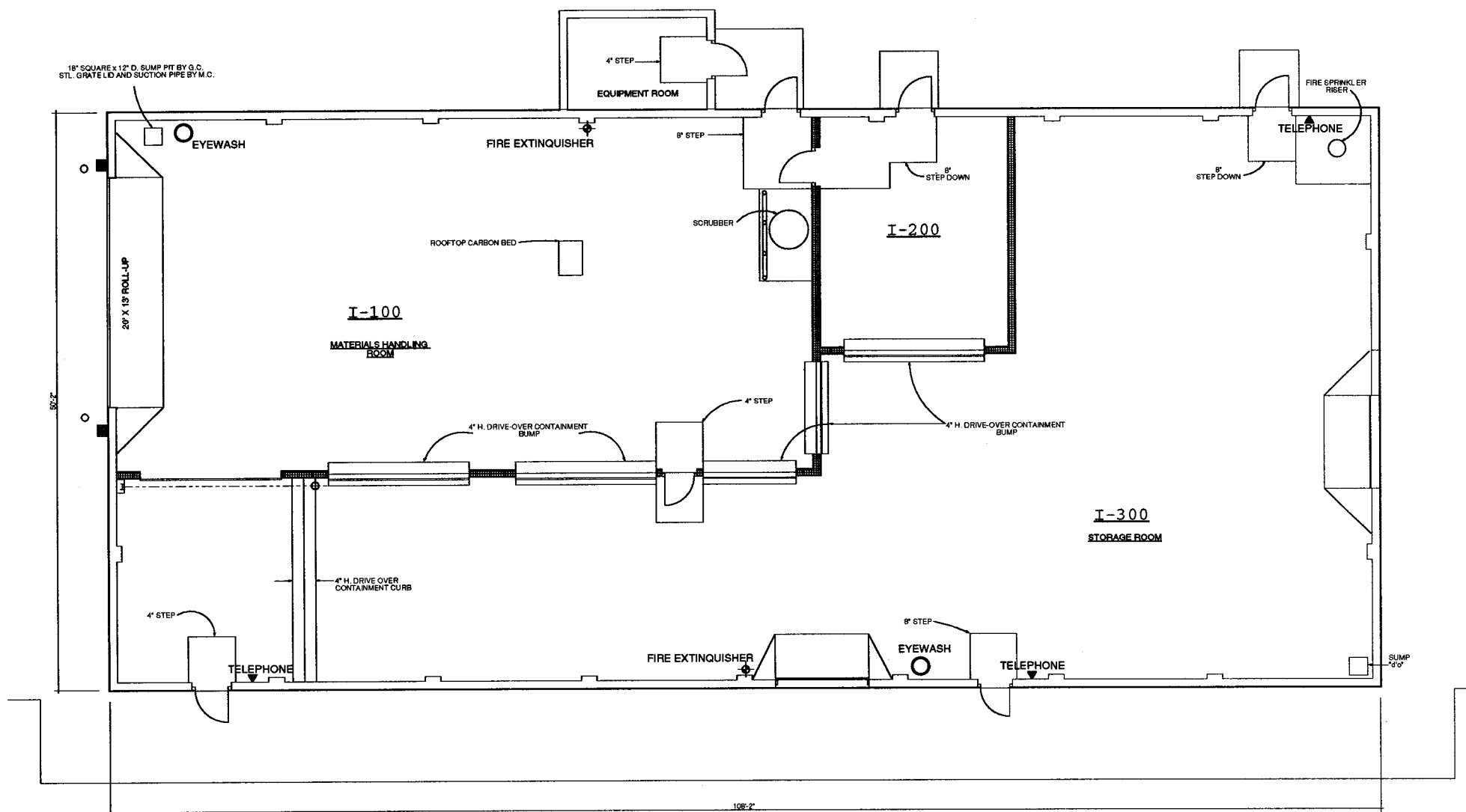
Elevation



Plan



Existing Secondary Containment



CONTAINMENT QUANTITIES

I-100 = 4,503 GALLONS
 I-200 = 635 GALLONS
 I-300 = 6,088 GALLONS

FIRE SUPPRESSION SYSTEMS

I-100 = DELUGE SYSTEM ACTIVATED BY EXPLOSION PROOF HEAT DETECTORS
 I-200 = DRY CHEMICAL SYSTEMS ACTIVATED BY HEAT DETECTORS
 I-300 = DELUGE SYSTEM ACTIVATED BY HEAT DETECTORS AND UV - FLAME DETECTORS

USPCI - HRI WICHITA
SECONDARY CONTAINMENT CALCULATION

BUILDING - I

Volume Provided - Calculated to exclude ramps and curbs. External ramps and curbs are 9 inches high.

AREA I - 100

Outer boundaries

$$\begin{array}{lll} \text{Volume I - 100} & [0.33' \times (29.75' \times 58.25')] + \\ & [0.33' \times (17.58' \times 15')] & = 659 \text{ ft}^3 \end{array}$$

$$\begin{array}{lll} \text{Entrance ramp} & [(24' \times 2.2' \times 0.33)] + \\ \text{west end} & [24' \times (0.5 \times 1.8' \times 0.33')] & = - 24 \text{ ft}^3 \end{array}$$

$$\begin{array}{lll} \text{Entrance pedestal} & & \\ \text{south door} & (4' \times 4' \times 0.33') & = - 5 \text{ ft}^3 \end{array}$$

$$\begin{array}{lll} \text{Entrance pedestal} & & \\ \text{south door} & (4' \times 4' \times 0.33') & = - 5 \text{ ft}^3 \end{array}$$

$$\begin{array}{lll} \text{Entrance pedestal} & & \\ \text{north door} & (6' \times 6' + 4.5' \times 8') \times 0.33 & = - 23 \text{ ft}^3 \end{array}$$

$$\begin{array}{lll} \text{Total Volume I - 100} & & = 602 \text{ ft}^3 \end{array}$$

$$\begin{array}{lll} \text{or} & & = 4,503 \text{ gals} \end{array}$$

* Maximum number of drums in Area I - 100 is 416 drums. This would require containment for 10% of (416 x 55) gallons or 2,288 gallons of containment needed.

Area I - 200

Outer boundaries

Volume Area I - 200 (19.33'x 16'x 0.33') = 102 ft³

Entrance pedestal
north side

[(4'x 4')+(6'x 6')]x 0.33' = - 17 ft³

Total Volume Area I - 200

= 85 ft³

or

= 635 gals

* Maximum number of drums in Area I - 200 is 64 drums.
This would require containment for 10% of (64 x 55) gallons
or 352 gallons of containment needed.

Area I - 300

Outer boundaries

Volume Area I - 300

$$\begin{aligned} & [17' \times 43' \times 0.33'] + \\ & [27' \times 16.5' \times 0.33'] + \\ & [30' \times 47' \times 0.33'] \end{aligned} = 853 \text{ ft}^3$$

$$\begin{aligned} \text{Entrance pedestal} \\ \text{north door} \end{aligned} \quad (4' \times 4' \times 0.33') = - 5 \text{ ft}^3$$

$$\begin{aligned} \text{Entrance pedestal} \\ \text{south door} \end{aligned} \quad (4' \times 4' \times 0.33') = - 5 \text{ ft}^3$$

$$\begin{aligned} \text{Entrance pedestal} \\ \text{central door} \end{aligned} \quad (4' \times 4' \times 0.33') = - 5 \text{ ft}^3$$

$$\begin{aligned} \text{Entrance ramp} \\ \text{south} \end{aligned} \quad \begin{aligned} & (12' \times 2.2' \times 0.33') + \\ & (12' \times 0.5 \times 1.8' \times 0.33') \end{aligned} = - 12 \text{ ft}^3$$

$$\begin{aligned} \text{Entrance ramp} \\ \text{east} \end{aligned} \quad \begin{aligned} & (12' \times 2.2' \times 0.33') + \\ & (12' \times 0.5 \times 1.8' \times 0.33') \end{aligned} = - \underline{12 \text{ ft}^3}$$

$$\text{Total Volume Area I - 300} = 814 \text{ ft}^3$$

$$\text{or} = 6,088 \text{ gals}$$

* Maximum number of drums in Area I - 300 is 440 drums. This would require containment for 10% of (440 x 55) gallons or 2,420 gallons of containment needed.

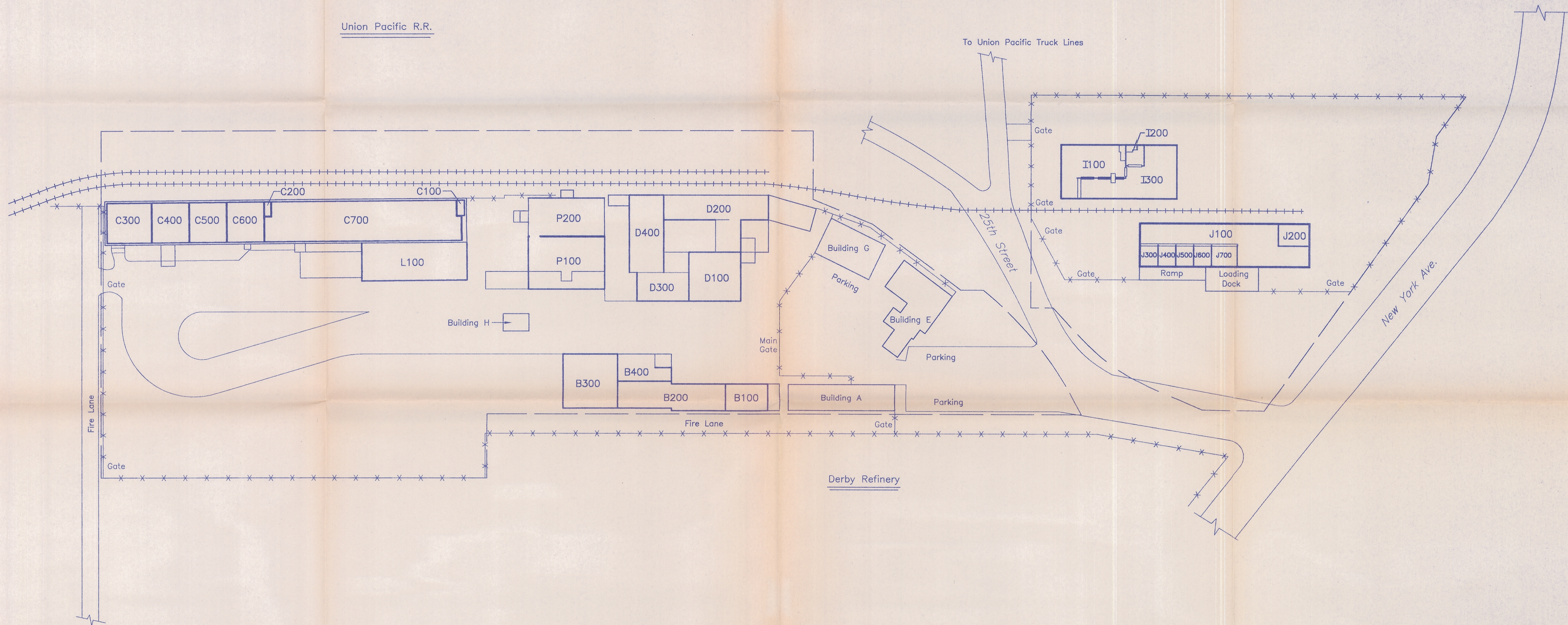
I - BUILDING SUMMARY

Total Volume Provided

Area I - 100	= 4,503 gals
Area I - 200	= 635 gals
Area I - 300	= <u>6,088 gals</u>
Total	11,226 gals

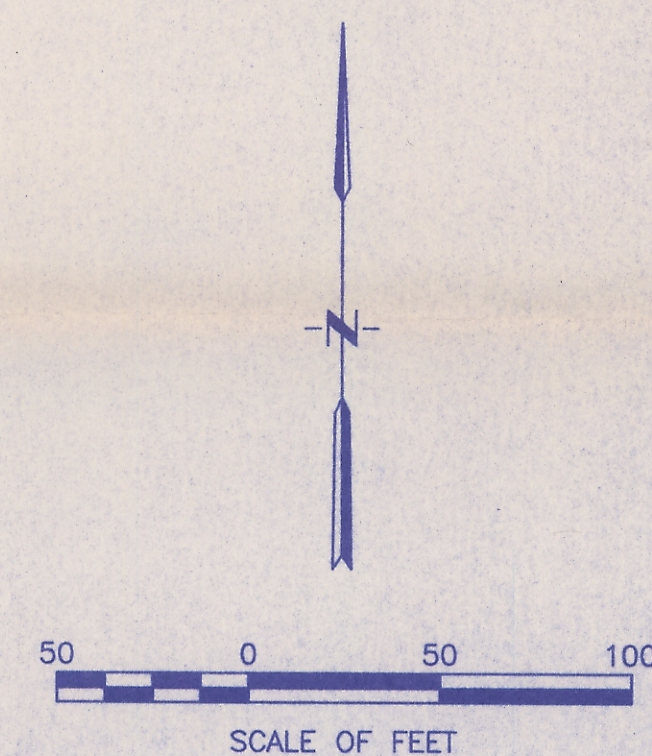
Total Volume Provided - Storage Capacity x 10% + Gallons of Extra Capacity

Area I - 100	4,503 gals - (22,880 gals x 10%)	= 2,215 gals
Area I - 200	635 gals - (3,520 gals x 10%)	= 283 gals
Area I - 300	6,088 gals - (24,200 gals x 10%)	= 3,668 gals
Total gallons of extra capacity		6,166 gals



Legend:

- +++++ : Railroad Tracks
- x x x : Fence
- — : Property Line



HYDROCARBON RECYCLERS, INC.

2549 N. NEW YORK AVE. WICHITA, KANSAS 67219

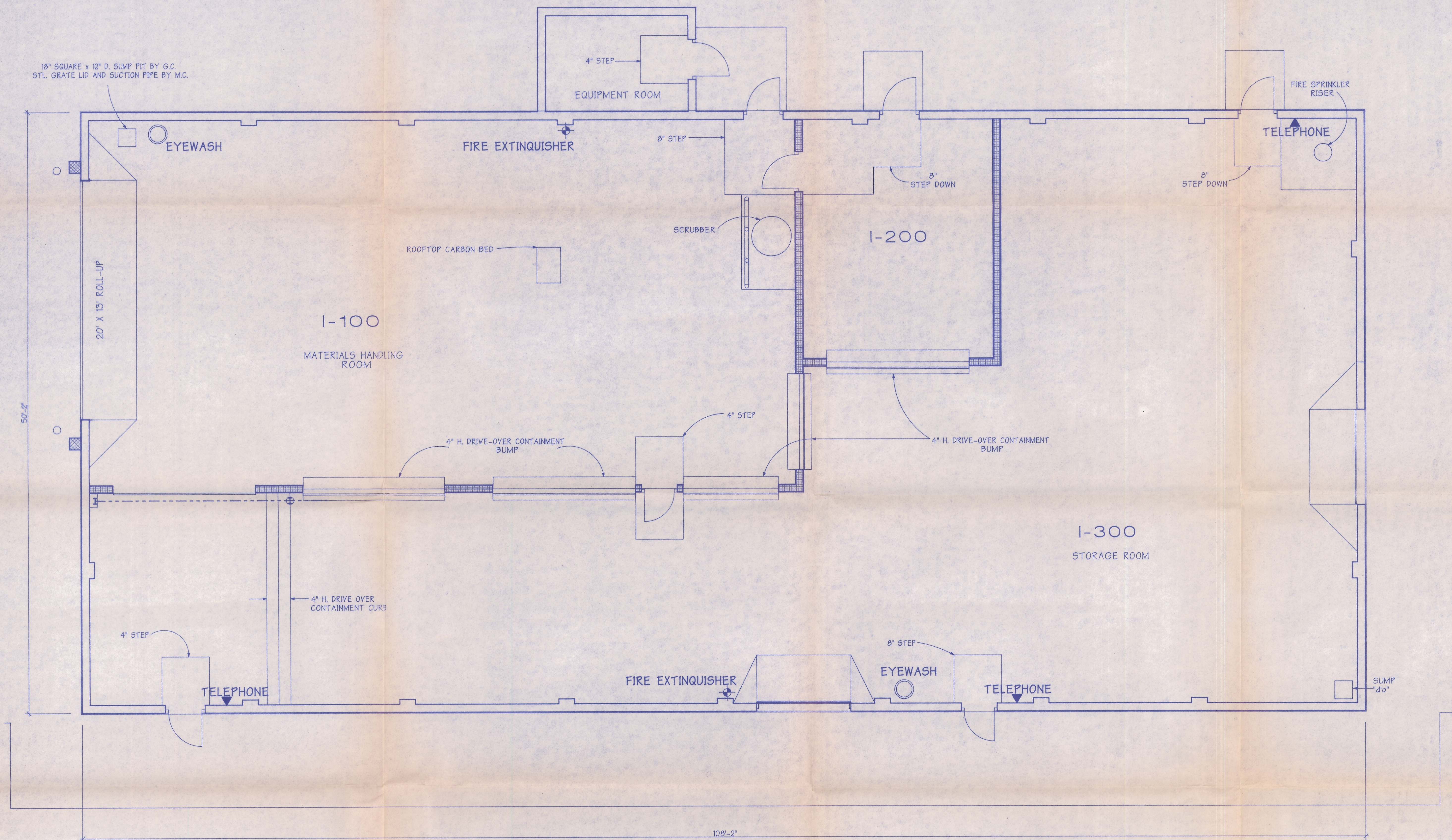
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Date: 7-13-94

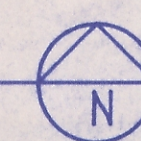
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MATERIAL CONTAINMENT AREAS

50-01-10-002



BUILDING I FLOOR PLAN
SCALE: 1/4"=1'-0"



CONTAINMENT QUANTITIES

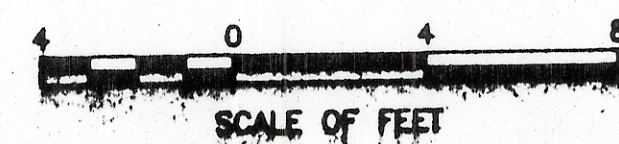
I-100	=	4,503 GALLONS
I-200	=	635 GALLONS
I-300	=	6,088 GALLONS

FIRE SUPPRESSION SYSTEMS

I-100	=	DELUGE SYSTEM ACTIVATED BY EXPLOSION PROOF HEAT DETECTORS
I-200	=	DRY CHEMICAL SYSTEMS ACTIVATED BY HEAT DETECTORS
I-300	=	DELUGE SYSTEM ACTIVATED BY HEAT DETECTORS AND UV - FLAME DETECTORS

a plan for SAFETY EQUIPMENT to the
Hydrocarbon Recyclers, Inc.
a Division of USPCI
located at
2549 N. New York Ave.
Wichita, Kansas 67219

SHEET



B

B

C

C

D

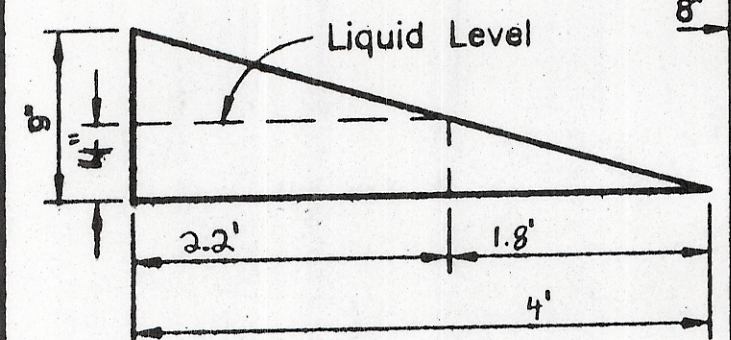
B

B

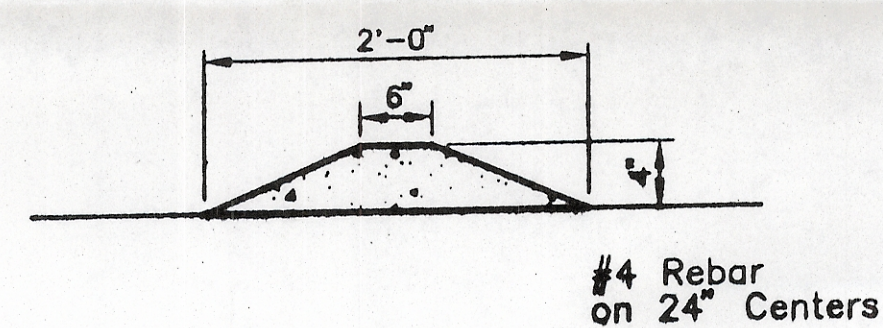
Area I 100

Area I 200

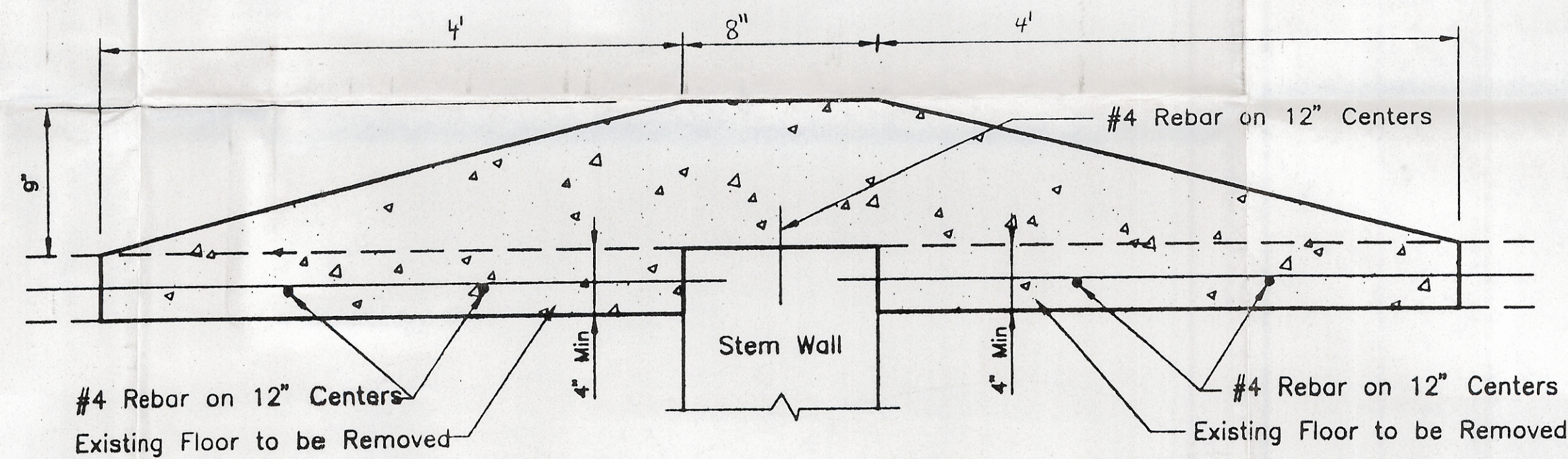
Area I 300



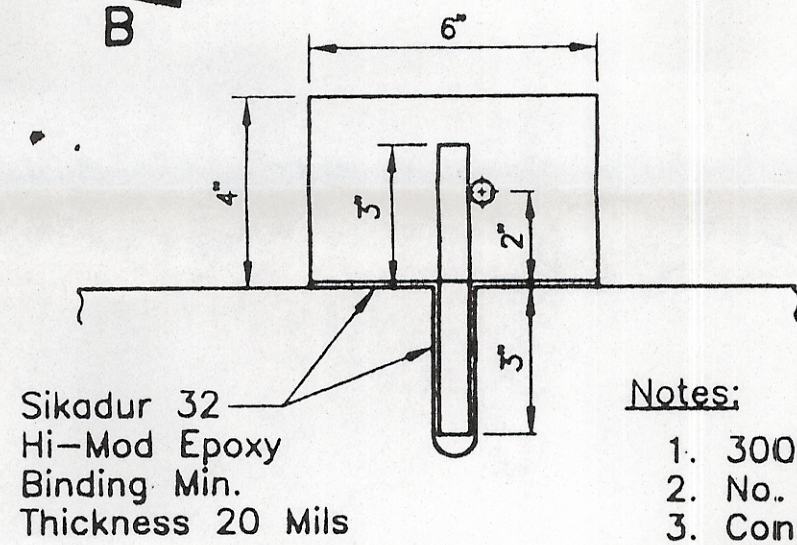
USED FOR SECONDARY
CONTAINMENT CALCULATIONS
FOR SECTION B-B
Not to Scale



Typical Dike Cross Section
Section A-A
Scale: 1" = 1'-0"

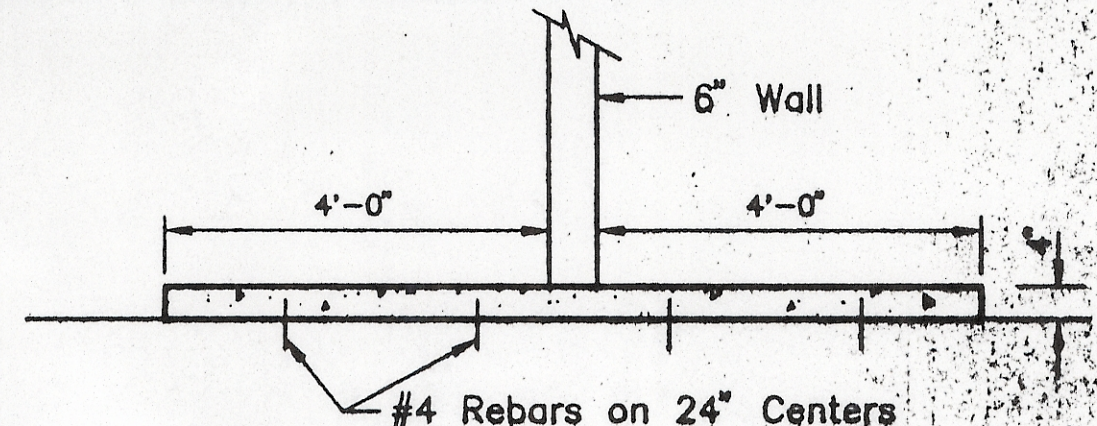


Typical Ramp Cross Section
Section B-B
Scale: 1 1/2" = 1'-0"



- Notes:
- 3000 PSI concrete
 - No. 4 rebar on 24" centers
 - Concrete to be sandblasted where epoxy bonding goes

Typical Dike Cross Section
Section C-C
Scale: 3" = 1'



Concrete Entry Pedestal Cross Section
Section D-D
Scale: 1/2" = 1'-0"

Drawing No.	Revision	Drawn By	Checked By	Designed By	Project
17-10-001	1-11-94	ProDraft			

DIKING AND RAMPS - BLDG. I

Customer

HYDROCARBON RECYCLERS INC.

WICHITA, KANSAS

Scale: 1/2" = 1'	Project No: 20137
Date: 8-18-92	Sheet: 1 of 1